

Sulframin AOS

Sulframin AOS

See *Sulfonates*, C₁₄-16-1-alkene, sodium salts

Sulf-R-azo

See 2,7-Naphthalenedisulfonic acid, 3-hydroxy-4-[(4-sulphonyl)azo]-, trisodium salt [50880-65-4]

Sulfur

native — see also *Sulfur ores*, native ion (S²⁻) — see *Sulfide* [18496-25-8]

Sulfur, processes

removal of, from fuels — see also *Fuels* headings

removal of, from hydrocarbon oils — see

also *Hydrocarbon oils*

removal of, from hydrocarbons — see

also *Hydrocarbons, preparation*

removal of, from iron

see also

Cast iron [11097-15-7]

Iron [7439-89-6], preparation

removal of, from lubricants

see also

Lubricants

Lubricating greases

Lubricating oils

removal of, from petroleum — see also *Petroleum*

refining, desulfurization

removal of, reactive — see also *Desulfurization*

removal of, from steel

see also

Stainless steel [12597-68-1], preparation

Steel [12597-69-2], preparation

Sulfur, reactions

burning of, for sulfur dioxide manuf. — see

also *Sulfur dioxide* [7446-09-5], preparation

cementation with — see also *Sulfidation*

sulfuration — see also *Sulfuration*

Sulfur, compounds

See also such headings as *Sulfur alloy*

acids — see also *Sulfur acids*

heterocyclic compds. — see also *Heterocyclic*

compounds, sulfur

Sulfur

—, diimidooxo- — see *Sulfur diimide*, S-oxide [52341-61-4]

Sulfur acids

See also narrower:

Sulfenic acids

Sulfonic acids

Sulfonic acids

Sulfur amide (S(NH₂)₂)

See *Sulfoxylic diamide* [25278-09-5]

Sulfur amide chloride (S(NH₂)Cl)

See *Amidosulfonyl chloride* [13812-03-8]

Sulfur amino acids

Valid heading during volumes 129-130 (July

1998-June 1999) only

See *Amino acids*, sulfur-contg.

Sulfurane (H₄S)

See *Hydrogen sulfide* (H₂S) [51621-86-4]

Sulfuration

Addition and substitution reactions of organic

compounds with sulfur or sulfur compounds are

indexed here. Reactions of metals and inorganic

compounds with sulfur or sulfur compounds are

indexed at *Sulfidation*

Sulfur Black

See *C.I. Sulphur Black 1* [1326-82-5]

Sulfur Black B

See *C.I. Sulphur Black 1* [1326-82-5]

Sulfur Blue Z

See *C.I. Sulphur Blue 7* [1327-57-7]

Sulfur Brilliant Green Zh

See *C.I. Sulphur Green 3* [1327-73-7]

Sulfur Brown

See *C.I. Sulphur Brown 7* [1327-10-2]

Sulfur Brown Zh

See *C.I. Sulphur Brown 10* [1326-51-8]

Sulfur concrete

See also related: *Concrete*

Sulfur cycle

Sulfur diimide [21918-40-1]

HN=S=NH

Sulfur dioxide [7446-09-5]

Studies of unspecified sulfur oxides and SO₂ are

indexed at this heading. Species with other

molecular formulas are indexed at their own

headings

See also *Sulfurous acid* [7782-99-2]

removal of, reactive — see also *Desulfurization*

ion(2+) — see *Sulfonyl ion* [12439-76-8]

Sulfur dioxide, preparation

See also

Pyrite (FeS₂) [1309-36-0], reactions

roasting of

Sulfur [7704-34-9], reactions

burning of

pyrite burners for — see also *Burners*, pyrite

burners

sulfur burners for — see also *Burners*, sulfur

burners

Sulfur dioxide, reactions

oxidn. of

see also

Sulfuric acid [7664-93-9], preparation

Sulfur trioxide [7446-11-9], preparation

Sulfur dioxide, uses

in petroleum refining — see also *Petroleum refining*

in sugar manuf. — see

also α-D-Glucopyranoside, β-D-

fructofuranosyl [57-50-1], preparation

Sulfur dioxide pollution

Valid heading during volumes 126-130 (1997-June

1999) only

See

Air pollution

sulfur dioxide

Sulfur dioxide [7446-09-5]

air pollution

Sulfurein

See 3(2H)-Benzofuranone, 2-[(3,4-dihydroxyphenyl)-

methylene]-6-β-(D-glucopyranosyloxy)-, (2Z)-

[531-63-5]

Sulfureted hydrogen

See *Hydrogen sulfide* (H₂S) [7783-06-4]

Sulfuretin

See 3(2H)-Benzofuranone, 2-[(3,4-dihydroxyphenyl)-

methylene]-6-β-hydroxy-, (2Z)- [120-05-8]

Sulfur fluoride (SF₆)

(OC-6-11) [2551-62-4]

Studies of unspecified sulfur fluorides are also indexed

at this heading. Species with other molecular

formulas are indexed at their own headings

Sulfur fluoride oxide

See also

Disulfuryl fluoride [13036-75-4]

Sulfuryl fluoride [2699-79-8]

Thionyl fluoride [7783-42-8]

Sulfur heterocycles

Valid heading during volumes 126-130 (1997-June

1999) only

See *Heterocyclic compounds*, sulfur

Sulfur hydride

See *Hydrogen sulfide* (H₂S) [7783-06-4]

Sulfuric acid [7664-93-9]

Studies of sulfate salts as a class are indexed at

Sulfates, sulfate esters at *Sulfuric acid*, esters.

Specific salts are indexed at *Sulfuric acid*,

compounds, except for the following, which have

their own headings: *Sulfuric acid copper(2+)* salt

(1:1); *Sulfuric acid diammonium salt*; *Sulfuric*

acid dipotassium salt; *Sulfuric acid disodium*

salt; *Sulfuric acid magnesium salt* (1:1)

See also

Disulfuric acid [7783-05-3]

Peroxydisulfuric acid ((HO(SO)₂)₂O₂)

[13445-49-3]

Peroxymonosulfuric acid [7722-86-3]

Sulfur hydroxide (S(OH)₂), (OC-6-11)-

[39717-38-9]

Sulfur trioxide [7446-11-9]

fuming — see also *Sulfuric acid*, compounds, mixt.

with sulfur trioxide [8014-95-7]

waste acid or acid sludge, from petroleum refining —

see also *Petroleum refining residues*, sludges,

acid

ion(1-) — see *Sulfate*, hydrogen [14996-02-2]

ion(2-) — see *Sulfate* [14808-79-8]

Sulfuric acid, preparation

pyrite burners for — see also *Burners*, pyrite

burners

sulfur dioxide for — see also *Sulfur dioxide*

[7446-09-5]

Sulfuric acid, reactions

corrosion by — see also *Corrosion* and headings for

specific alloys and metals corroded

pickling — see also *Pickling*

Sulfuric acid, anhydrides

dianhydride with isocyanic acid — see *Sulfuryl*

isocyanate [4223-09-0]

monoanhydride with 5'-adenylic acid —

see 5'-Adenylic

acid, anhydrides, monoanhydride with sulfuric

acid [485-84-7]

monoanhydride with 5'-inosinic acid —

see 5'-Inosinic acid, monoanhydride with

sulfuric acid [29168-29-4]

monoanhydride with isocyanic acid —

see *Isocyanatosulfuric acid* [38309-84-1]

monoanhydride with peroxybenzoic acid —

see *Peroxide*, benzoyl salt [5818-55-3]

monoanhydride with thiocyanic acid —

see *Thiocyanatosulfuric acid* [25978-09-0]

Sulfuric acid, compounds

salts (unspecified) — see *Sulfates*

aluminum salt (3:2) [10043-01-3]

Studies of unspecified aluminum sulfates and

Al₂(SO₄)₃ are indexed at this heading. Species

with other molecular formulas are indexed at

their own headings

barium salt (1:1) [7727-43-7]

Studies of unspecified barium sulfates and Ba(SO₄) are

indexed at this heading. Species with other

molecular formulas are indexed at their own

headings

see also *Barite* (Ba(SO₄)) [13462-86-7]

beryllium salt (1:1) [13510-49-1]

Studies of unspecified beryllium sulfates and Be(SO₄)

are indexed at this heading. Species with other

molecular formulas are indexed at their own

headings

bismuth(3+) salt (3:2) [7787-68-0]

Studies of unspecified bismuth sulfates and Bi₂(SO₄)₃

are indexed at this heading. Species with other

molecular formulas are indexed at their own

headings

cadmium salt (1:1) [10124-36-4]

Studies of unspecified cadmium sulfates and Cd(SO₄)

are indexed at this heading. Species with other

molecular formulas are indexed at their own

headings

calcium salt (1:1) [7778-18-9]

Studies of unspecified calcium sulfates and Ca(SO₄) are

indexed at this heading. Species with other

molecular formulas are indexed at their own

headings

see also *Anhydrite* (Ca(SO₄)) [14798-04-0]

calcium salt (1:1), dihydrate, manuf. and com. uses

of — see also *Gypsum* (Ca(SO₄)·2H₂O)

[13397-24-5]

calcium salt (1:1), hemihydrate, manuf. and com.

uses of — see also *Plaster of*

Paris (Ca(SO₄)·¹/₂H₂O) [26499-65-0]

chromium salt, basic — see *Chromium hydroxide*

sulfate (Cr(OH)(SO₄)) [12336-95-7]

cobalt(2+) salt (1:1) [10124-43-3]

Studies of unspecified cobalt sulfates and Co(SO₄) are

indexed at this heading. Species with other

molecular formulas are indexed at their own

headings

copper(2+) salt (1:1) — see the subdivided heading

Sulfuric acid copper(2+) salt (1:1) [7758-98-7]

which will be found following all the headings for

Sulfuric acid

copper salt, tribasic — see *Copper hydroxide*

sulfate (Cu₃(OH)₆(SO₄)) [1333-22-8]

diammonium salt — see the subdivided heading

Sulfuric acid diammonium salt [7783-20-2]

which will be found following all the headings for

Sulfuric acid

dicesium salt [10294-54-9]

Studies of unspecified cesium sulfates and Cs₂(SO₄) are

indexed at this heading. Species with other

molecular formulas are indexed at their own